

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: EMS 137

Credits: 1

Course Title: Trauma Care

Course Description: Prepares the student to assess and manage injured patients, developing his/her problem-solving ability in the treatment of trauma involving various body systems.

Prerequisites: EMS 121, EMS 123, EMS 125, EMS 126, EMS 127, EMS 128. Corequisite: EMS 138. Lecture 1 hour per week.

General Course Purpose: The purpose of this course is to introduce the student to a variety of common traumatic injuries, including pathophysiology, signs, symptoms, and treatments.

Course Prerequisites and Co-requisites:

- Tension pneumothorax
- Cardiac tamponade
- Rib fractures
- Flail chest
- Comotio cordis

b. Abdominal Injuries

- Closed abdominal trauma
- Penetrating/Open abdominal trauma
- Considerations in abdominal trauma

c. Amputations

- Location of amputation
- Tearing versus cutting amputations
- Assessment of amputated parts in

Management considerations in facial and eye injuries

- i. Laryngeotracheal Injuries
 - Pathophysiology
 - Specific assessment considerations
 - Specific management considerations

- j. Traumatic Brain Injury
 - Pathophysiology
 - Specific assessment considerations
 - Special management considerations

- k. Kinematics of Trauma
 - Definition of kinematics of trauma
 - Multi-system trauma
 - Blast injuries

- l. Environmental Injuries
 - Submersion incidents
 - Temperature-related illness
 - Special assessment considerations
 - Special management considerations
 - Bites and envenomation
 - Electrical injury lightning strikes
 - High altitude illness

Date Created/Updated (Month, Day, and Year): September 21, 2018